

What is claimed is:

*Sub A1*

1. A diversity wireless device for providing diversity using a plurality of antennas comprising:

5 an antenna which is grounded (grounded antenna) and an antenna which is not grounded (ungrounded antenna).

*Sub B17*

2. The diversity wireless device as described in Claim 1 wherein a ground is placed in proximity to said ungrounded antenna and said ungrounded antenna is coupled to said ground via high-frequency waves.

3. The diversity wireless device as described in Claim 1 wherein said device is structured (so as to obtain an efficient 15 diversity effect by maneuvering antenna directivity by changing at least one of an angle between said grounded antenna and said ungrounded antenna, and feeding points of said antennas)

4. The diversity wireless device as described in Claim 2 wherein 20 said device is structured (so as to obtain an efficient diversity effect by maneuvering antenna directivity by changing at least one of an angle between said grounded antenna and said ungrounded antenna, and feeding points of said antennas)

25 5. A diversity wireless device for providing diversity using a plurality of ungrounded antennas wherein a ground is placed in proximity to at least one of said ungrounded antennas and said ungrounded antenna is coupled to said

ground via high-frequency waves.

6. The diversity wireless device as described in Claim 5 wherein  
said device is structured (so as to obtain an efficient  
5 diversity effect by maneuvering antenna directivity by changing at  
least one of an angle between said ungrounded antennas and feeding  
points thereof.)

7. A diversity wireless device for providing diversity using a  
10 plurality of antennas wherein  
at least one ungrounded antenna is provided, a ground is placed partly surrounding said ungrounded antenna, and said ungrounded antenna and said ground are coupled to each other via  
high-frequency waves.

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8. The diversity wireless device as described in Claim 7 wherein  
said ground is composed of a plurality of laminated layers and is placed so as to partly surround said ungrounded antenna three-dimensionally, and said ungrounded antenna and said ground are  
20 coupled to each other via high-frequency waves.

9. A wireless terminal unit having an antenna element, said antenna element including:

(a) a substrate;  
25 (b) a first conductor section substantially in parallel to said substrate; and  
(c) a second conductor section successively formed from said first conductor section and angularly arranged relative to said

substrate.

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10. The wireless terminal unit as described in Claim 9 wherein  
said first conductor section has a feed terminal; and  
said second conductor section is structured so as to be  
inclined in the direction away from said feed terminal, said inclination  
being such that the space between said second conductor section and  
said substrate reduces in the direction away from said feed terminal.

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11. The wireless terminal unit as described in Claim 10 wherein  
said unit is structured to have two said antenna elements  
and provide diversity using said two antenna elements, and said  
elements are configured substantially laterally symmetrical with  
respect to a longitudinal axis of the unit.

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12. The wireless terminal unit as described in Claim 10  
comprising:

at least two said antenna elements provided in said unit  
and a connector with a switch for connecting to an external antenna

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wherein said unit is structured so as to switch one of said  
NAD  
internal antenna elements in said unit to said external antenna and to  
provide diversity using said external antenna and the other internal  
antenna element when said external antenna is connected to said  
connector.

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13. The wireless terminal unit as described in Claim 11 wherein  
said antenna elements are ungrounded, a ground is  
placed in proximity to at least one of said ungrounded antenna

elements, and said ungrounded antenna is coupled to said ground via high-frequency waves.

14. The wireless terminal unit as described in Claim 12 wherein  
5           said antenna elements are ungrounded, a ground is placed in proximity to at least one of said ungrounded antenna elements, and said ungrounded antenna is coupled to said ground via high-frequency waves.